

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-124653

(43)Date of publication of application : 13.05.1997

(51)Int.CI.

C07D491/044  
// A61K 31/445  
A61K 31/445  
A61K 31/445  
A61K 31/445

(21)Application number : 08-241323

(71)Applicant : HOKURIKU SEIYAKU CO LTD

(22)Date of filing : 23.08.1996

(72)Inventor : ITO YASUO  
KATO HIDEO  
YASUDA SHINGO  
KATO NORIYUKI  
IWASAKI NOBUHIKO  
NISHINO HIROYUKI  
TAKESHITA MAKOTO

(30)Priority

Priority number : 07248591 Priority date : 01.09.1995 Priority country : JP

## (54) HYDRATE CRYSTAL AND PRODUCTION THEREOF

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain a new dihydrate crystal having antihistaminic and antiallergic activity, thus useful for treating and/or preventing bronchial asthma and allergic rhinitis, etc.

**SOLUTION:** This new dihydrate crystal is a 3-[4-(8-fluoro-5,11-dihydrobenz[b]oxepino[4,3-b]pyridin-11-ylidene) piperidino]propionic acid dihydrate crystal. This crystal pref. has high-intensity diffraction peaks at diffraction angle  $2\theta$  of about  $4.2^\circ$ ,  $17.0^\circ$ , and  $21.3^\circ$  but virtually has no high-intensity diffraction peaks at about  $11.5^\circ$ ,  $19.2^\circ$ , and  $22.4^\circ$  in its powder X-ray diffraction pattern. This dihydrate crystal is obtained by treating a crystalline substance containing the anhydrous crystal of the above compound with hydrous acetone followed by drying and then humidification.

## LEGAL STATUS

[Date of request for examination] 25.07.2000

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3182685

[Date of registration] 27.04.2001

[Number of appeal against examiner's decision]

of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]